

ABSTRACT OF THE DISCLOSURE

The present invention relates to a method for recording a data stream having a multiple reproduction paths on a high-density optical disk. The present method ensures seamless
5 presentation of video and audio data of a multi-path data stream by setting no-jumping sections to prohibit re-jump after jump. The no-jumping section whose total bit rate is not less than a minimum bit rate is able to remove possible buffer underrun even when the reproduction path is changed during reproduction.